CONTRIBUTORS TO VOLUME 104

Adams, William E., 299
Adelson, Lester, 513
Adler, Richard H., 669
Affani, Jorge, 25
Allen, Arthur C., 753
Arieff, Alex J., 407
Atkins, Hedley, 618

Baggenstoss, Archie H., 357
Bailey, C. P., 539
Baker, R. Robinson, 653
Baker, Robert J., 183
Barnett, William O., 657
Bartlett, Marshall K., 377
Barton, Harry L., 257
Bashour, Fouad A., 68
Battersby, J. Stanley, 675
Beahrs, Oliver H., 607
Beall, Arthur C., 129
Beasley, Mary, 263
Becker, Jerrold M., 8
Becker, Walter F., 491
Berry, Robert E. L., 269
Biel, Eugene, 263
Bill, Alexander H., Jr., 151
Bingham, W. George, 591
Bollack C. G., 555
Boshes, Benjamin, 407
Bowers, J. E., 287
Bowers, Warner F., 163
Boyd, David P., 727
Boyd, Harold B., 463
Boyden, Edward A., 641
Broders, C. William, 180
Brown, Ivan W., Jr., 441
Brown, Meyer, 407
Buckwalter, J. A., 176
Burke, Donald E., 337
Burton, Claud C., 142
Bush, L. F., 524
Butterfield, W. J. H., 53
Buyers, Robert A., 755

Campbell, Crawford J., 329
Campbell, J. A., 675
Carr, J. A., 502
Chiesa, Dardo, 25
Chu, Florence C. H., 45
Clagett, O. Theron, 390
Clasen, Raymond A., 591
Cohen, Arthur, 372
Cohn, Isidore, Jr., 1
Colter, D. C., 176
Comess, Morton S., 607
Comfort, Mandred W., 746
Cooke, Robert E., 543
Crawford, E. Stanley, 129
Creech, Oscar, Jr., 385
Creighton, S. Allison, 151
Crikelair, George F., 759
Cross, Frederick S., 711
Cullen, Stuart C., 113
Curry, Robert W., 627

Dahlin, David C., 390
Daily, Harold I., 307
Danon, Mathilde, 157
Davis, Leonard, 622
De Bakey, Michael E., 129, 385
DeBoer, Arthur, 475
DePeyster, F. A., 375
Deterling, Ralph A., Jr., 227
DeWall, Richard A., 457, 699
Dobin, Norman B., 407
Dockerty, Malcolm B., 63, 302, 551, 607, 746
Duncan, Christopher J., 733

Finkelman, Isidore, 407
Finkle, John R., 407
Firme, Constante N., 669
Friedman, Stanley, 485
Friesen, Stanley R., 115

Gants, Robert T., 372
Gilfillan, Rutherford S., 215
Gilman, R. A., 539
Gilmore, G. H., 524
Giuseffi, Jerome, 425
Gleason, John, 200
Glenn, Frank, 190
Goldenberg, Ira S., 295
Gonzalez, Juan L., 319
Goodwin, Willard E., 337
Gott, Vincent L., 319
Graham, Evarts A., 241
Gray, Howard K., 63, 302, 551
Gurdjian, E. S., 205

Hall, Hoyt, 263
Hallenbeck, George A., 302
Hanson, Hans Erik, 653
Harkess, James, 329
Harned, Herbert S., Jr., 543
Harris, Jerome S., 441
Harrison, Charles S., 8
Harrison, J. Harold, 81, 584
Hass, George M., 591
Hayes, Mark A., 295
Henson, Stanley W., Jr., 63, 302, 551
Hetherington, R. F., 88
Hickey, Maurice J., 759
Hill, Edward C., 167
Hoag, Roger W., 167
Hodes, Richard, 263
Hutchison, Henry E., 722
Huth, Edgar W., 263

Isokane, Robert K., 310

Jackman, Raymond J., 75
Jacobs, Warren M., 307
Jennings, E. R., 60
Jergesen, Floyd, 215
Johnson, George, Jr., 190
Jonas, August F., 507
Jordan, George L., Jr., 257, 385

Kaplan, Emanuel B., 346
Kay, Earle B., 711
Kelikian, H., 200
Kent, Kurt H., 280
Kesert, Benjamin H., 407
Kistner, Robert W., 733
Knowler, L. A., 176
Konneker, Wilfred, 565
Kozoll, Donald D., 183
Kuwayti, Kamal, 357

Landers, J. W., 60
Lang, Warren R., 717
Langford, Don, 1
Lawson, Robert, 622
Lewis, F. John, 68
Lillehei, C. Walton, 319, 457, 699
Lipinski, Stanley W., 463
Little, David M., Jr., 367
Long, Edwin Tutt, 299
Lowman, Robert M., 622
Lynn, R. B., 99

MacAusland, W. Russell, 579
MacFee, William F., 370
Marchetta, Frank C., 401
Marshall, Samuel F., 497

Marshall, Victor F., 41
Martin, Felix A., 591
Martin, S. J., 451
Mason, Tate, 238
Maxwell, Walter T., 401
Mayo, Charles W., 180
McDermott, William V., Jr., 377
McNulty, John R., 663
McSwain, H. Thomas, 425
Merritt, Doris, 441
Meyer, Karl A., 183
Modlin, M., 99
Moeckel, C. W., 287
Moore, Thomas C., 675
Moreno, Augusto H., 25
Morley, T. P., 88
Morrow, Andrew G., 653
Moulder, Peter V., 299
Moyer, John H., 129
Muether, Raymond O., 565
Muller, W. H., 337

Nanson, Eric M., 118
Nash, Francis P., 565
Nelson, Thomas G., 163

Palmer, John D., 451
Parsons, Willard H., 535
Pascuzzi, Chris A., 390
Pecora, David V., 626
Petrakis, Nicholas L., 215
Pillsbury, Robert D., 163
Pittman, Adelle Corey, 529
Pollock, Lewis J., 407
Posner, A. Charles, 485
Posner, Lewis B., 485
Potts, Willis J., 475
Powell, Joseph L., 491
Priestley, James T., 357, 746
Prouty, Richard R., 591
Pulaski, Edwin J., 310
Pysik, Stanley W., 407

Raine, Forrester, 471
Rakoff, A. E., 717
Raszkowski, Harvey J., 280
Read, Raymond C., 457
Riashi, Emile, 200
Richards, Terence A., 451
Riegler, Henry C., 401
Rives, James D., 1
Robinson, Fred W., 529
Roggenkamp, Milton W., 675
Roland, Samuel I., 41
Rose, Harvey, 560
Rosenbaum, Paul J., 295
Ross, Donald E., 433
Rottschafer, William, 269
Russell, Keith P., 560

Sachs, Leo, 157
Schobinger, Robert, 401
Scott, William Wallace, 11
Sealy, Will C., 441
Serr, David M., 157
Sharpe, Guy P., 535
Shulman, Alex. G., 504
Smith, George, 722
Smith, J. Chandler, 36
Smith, Sidney, 263
Smolik, Edmond A., 565
Sommers, Sheldon C., 663
Speert, Harold, 121
Stamey, Thomas Alexander, 11
Stark, Mary B., 416
Starr, Kenneth W., 751
Starr, Paul, 560
Stauffer, Maurice H., 357
Steinbach, Howard L., 215
Stephen, C. Ronald, 441
Stevenson, John K., 151

Tatarian, Gabriel, 717
Taufic, Mansur, 68
Tidrick, R. T., 176
Tigay, Eli L., 407
Turell, Robert, 233
Turner, John C., Jr., 746
Turner, Robert J., 491

Varco, Richard L., 319, 699
Virtue, Robert W., 499

Walt, Alexander J., 690
Warden, Herbert E., 457, 699
Warren, Richard, 571
Watson, R. R., 471
Watson, T. A., 106
Waugh, John M., 690
Webster, J. E., 205
Weisel, Wilson, 471
Wesson, H. R., 287
Whitaker, H. Thurston, 535
White, Colin, 295
Williamson, Willie A., 257
Wills, Seward H., 307
Wittoesch, Joachim H., 75
Wohlwend, C. B., 176
Wooldridge, Bart F., 727
Woolner, Lewis B., 75

Yates, G. L., 287
Young, W. Glenn, Jr., 441

Ziegler, Newall R., 457
Zivin, Israel, 407
Zuhdi, Mohamed Nazih, 319

SUBJECT INDEX TO VOLUME 104

ABDOMEN, Aids in diagnosis of subphrenic and other intra-abdominal abscesses, 507; diagnosis, Value of left lateral decubitus position in roentenologic, of acute abdominal disease, 627; Abdominal drainage and air-vent suction tube, 755

Abnormalities and deformities, Conduction disturbances following experimental production of interventricular septal defects, 68; Congenital, atresia of esophagus with tracheoesophageal fistula, 475; Congenital, posterolateral diaphragmatic hernia in newborn, 675; "whistle," Correction of, deformity, 759

Abscess, Aids in diagnosis of subphrenic and other intra-abdominal, 507

Adrenalin, Flash burns from atomic weapons—II, treatment of shallow blister flash burns by trials of promethazine, cortisone, and adrenocorticotrophic hormone, 53

Adrenals, Diagnostic thoracotomy with transdiaphragmatic adrenalectomy for intrathoracic recurrent breast carcinoma, 299

Adrenocorticotrophic hormone, Flash burns from atomic weapons—II, treatment of shallow blister flash burns by trials of promethazine, adrenalin, cortisone, and, 53

Albumin, Treatment of experimental cerebral edema with intravenous hypertonic glucose, and dextran, 591

Anatomy, Description of boundaries of inguinal rings and scrotal pouches, 142; Osseous phlebography, 215; of knee joint, Surgical approach to lateral (peroneal) side, 346; Clinicopathologic study of anatomic changes in heart resulting from cardiac massage, 513; of choledochoduodenal junction in man, 641

Anesthesia, Polypharmacy in, ed. 113

Aneurysm, Experimental and clinical resection for ventricular, 539; aortic, Production and closure of experimental cardioaortic fistulas, 653; Lymph borne infection and, formation, 722

Antibiotics, support of colon anastomoses, 1; penicillin, Experiences in surgical management of intracranial suppuration, 205; Novobiocin therapy of pyogenic surgical infections, 310

Anus, Basal cell epithelioma and basaloid lesions of, 75; Modern treatment of pruritus ani, 233; Heritage of Walter Whitehead, ed. 751

Aorta, roentgenography, Complications of aortography, 129; Retrograde perfusion of coronary sinus for direct vision aortic surgery, 319; Effect of chronic hypercholesterolemia on synthetic aortic substitutes, 385; Production and closure of experimental cardioaortic fistulas, 653

Aortography, see Aorta, roentgenography

Arrhythmia, Conduction disturbances following experimental production of interventricular septal defects, 68; Hypothermia, low flow extracorporeal circulation and controlled cardiac arrest for open heart surgery, 441; Clinicopathologic study of anatomic changes in heart resulting from cardiac massage, 513; Clinical problem of acute circulatory failure, 535

Arteries, surgery, Use of teflon as blood vessel replacement in experimental animals, 81; implantation, Auxiliary myocardial vascularization by prosthetic graft, 263; femoral, Evaluation of thrombendarterectomy for arteriosclerosis obliterans of, artery, 571; Lymph borne infection and aneurysm formation, 722

Arteriosclerosis, obliterans, Evaluation of thrombendarterectomy for, of femoral artery, 571

Atomic energy, Flash burns from, weapons—II, treatment of shallow blister flash burns by trials of promethazine, adrenalin, cortisone, and adrenocorticotrophic hormone, 53

BILE DUCTS, surgery, Common, exploration in acute cholecystitis, 190; Carcinoma of major intrahepatic and extrahepatic, exclusive of papilla of Vater, 357; Problem of intrahepatic stones and suggested solution, 504; Improved techniques in oral cholangiography in postcholecystectomy patient, 622; common, Anatomy of choledochoduodenal junction in man, 641

Biliary tract, Improved techniques in oral cholangiography in postcholecystectomy patient, 622

Biopsy, Puncture, of prostate, 555

Bladder, Study of, function following vaginal hysterectomy, 287

Blood, ABO group, Association of, to gastric carcinoma, 176; volume, Use of surface areas as basis for establishing normal, 183; circulation, Osseous phlebography, 215; circulation, Retrograde perfusion of coronary sinus for direct vision aortic surgery, 319; circulation, Hypothermia, low flow extracorporeal, and controlled cardiac arrest for open heart surgery, 441; circulation, Application of arterialized venous, to intracardiac surgery, 457; circulation, Induced hypothermia during surgery, ed. 499; circulation, Clinical problem of acute circulatory failure, 535; sodium, Symptomatic hyponatremia in infants and children undergoing surgery, 543; volume, changes in neurosurgical (intracranial) operations as determined by radioisotopes, 565; oxygenation, Helix reservoir pump-oxygenator, 699; Direct vision repair of intracardiac defects utilizing rotating disc reservoir-oxygenator, 711

Blood pressure, high, Studies on portal tension of human adults, 25; Induced hypotension, ed. 367

Blood vessels, Use of teflon as, replacement in experimental animals, 81; grafts, Current status of, replacement, ed. 227; grafts, Effect of chronic hypercholesterolemia on synthetic aortic substitutes, 385

Bone, blood supply, Osseous phlebography, 215; Fibrous metaphyseal defect of, 329

Brain, abscess, Experiences in surgical management of intracranial suppuration, 205; injury, Treatment of experimental cerebral edema with intravenous hypertonic glucose, albumin, and dextran, 591

Breast, cancer, Treatment of, of, 36; cancer, Results of treatment of, of, 106; Diagnostic thoracotomy with transdiaphragmatic adrenalectomy for intrathoracic recurrent, carcinoma, 299; Results of treatment of, of, at Montreal General Hospital, 451

Burns, flash, from atomic weapons—II, treatment of shallow blister, by trials of promethazine, adrenalin, cortisone, and adrenocorticotrophic hormone, 53; Use of tracheotomy in burned patient, 163

CANCER, Treatment of, of breast, 36; cells, Reliability of Papanicolaou technique when, are found in urine, 41; Results of treatment of ovarian, with one million volt

x-ray, 45; diagnosis, Use of frozen section in, 60; Basal cell epithelioma and basaloid lesions of anus, 75; of breast, Results of treatment of, 106; Association of ABO blood groups to gastric carcinoma, 176; Lymphatic spread of, of stomach observed in operative specimens removed by radical surgery including total pancreatectomy, 269; Diagnostic thoractomy with transdiaphragmatic ardenalectomy for intrathoracic recurrent breast carcinoma, 299; Carcinoma of major intrahepatic and extrahepatic bile ducts exclusive of papilla of Vater, 357; Carcinoma of intrinsic larynx, 401; of thyroid gland in children, 433; Results of treatment of, of breast at Montreal General Hospital, 451; Total versus radical partial resection for, of stomach, ed. 497; Puncture biopsy of prostate, 555; Cervical metastasis from occult carcinoma, 607; Analysis of one hundred and five radical hysterectomies at Free Hospital for Women, 733

Cannulation, lymphatic, Method for studying equilibration rates in edematous states by, 8

Carcinoma, see Cancer

Cauda equina, Phantom limb in patients with injuries to spinal cord and, 407

Cells, Histogenetic variation of undifferentiated germinal, of gastric mucosa, 416

Children, Selection of infants and, for surgical treatment of Hirschsprung's disease, 151; Cancer of thyroid gland in, 433

Cholangiography, Improved techniques in oral, in postcholecystectomy patient, 622

Cholecystitis, Clinical study of 1,060 patients with acute, 491

Choledochoduodenal junction, Anatomy of, in man, 641

Chondrosarcoma, Primary tumors of ribs and sternum, 390

Colon, Antibiotic support of, anastomoses, 1; dilatation, Selection of infants and children for surgical treatment of Hirschsprung's disease, 151; Results of subtotal colectomy and ileoproctostomy in treatment of chronic ulcerative colitis, 180; Appraisal of one stage anterior resection in diverticulitis of sigmoid, 690

Colposcopy, Cytologic and histologic correlation of colposcopic findings, 717

Conduction disturbances, following experimental production of interventricular septal defects, 68

Coronary sinus, Retrograde perfusion of, for direct vision aortic surgery, 319

Cortisone, Flash burns from atomic weapons—II, treatment of shallow blister flash burns by trials of promethazine, adrenalin, and adrenocorticotrophic hormone, 53

Cranium, Traumatic cerebrospinal fluid rhinorrhea and otorrhea, pneumocephalus, and meningitis, 88

Cystadenomas, Benign tumors of liver—VI, multilocular, 551

Cysts, Benign tumors of liver—IV, polycystic disease of surgical significance, 63; Benign tumors of liver—V, traumatic, 302

Cytology, Cytologic and histologic correlation of colposcopic findings, 717

DEXTRAN, Treatment of experimental cerebral edema with intravenous hypertonic glucose, albumin, and, 591

Diagnosis, frozen section, Use of, in cancer, 60; Complications of aortography, 129; Selection of infants and children for surgical treatment of Hirschsprung's disease, 151; of fetal sex during pregnancy, 157; Retrocaval ureter, 337; differential, Congenital atresia of esophagus with tracheoesophageal fistula, 475; Modern trends in management of face and brow presentations, 485; Aids in, of subphrenic and other intra-abdominal abscesses, 507; Value of left lateral decubitus position in roentgenologic, of acute abdominal disease, 627; differential, Keratoacanthoma as surgical pathologic entity, 663; Cytologic and histologic correlation of colposcopic findings, 717; Diaphragmatic hernia through foramen of Morgagni, 727; Clinicopathologic study of large benign gastric ulcers, 746; Juvenile melanomas and malignant melanomas, ed. 753

Diaphragm, Congenital posterolateral diaphragmatic hernia in newborn, 675; Use of nylon prostheses for diaphragmatic defects, 669

Diet, Dietary management of postgastrectomy dumping syndrome, 529

Diverticulum, Thyroidectomy type (transverse) incision for excision of pharyngoesophageal diverticula, 372; Appraisal of one stage anterior resection in diverticulitis of sigmoid colon, 690

Drainage, Abdominal, and air-vent suction tube, 755

Drugs, Polypharmacy in anesthesia, ed. 113

Dumping syndrome, Dietary management of postgastrectomy, 529

Duodenum, Anatomy of choledochoduodenal junction in man, 641

Dura mater, Traumatic cerebrospinal fluid rhinorrhea and otorrhea, pneumocephalus, and meningitis, 88

EDEMA, Method for studying equilibration rates in edematous states by lymphatic cannulation, 8; Treatment of experimental cerebral, with intravenous hypertonic glucose, albumin, and dextran, 591

Education, Nursing problem, ed. 370

Electrolytes, balance, Ureteroileal anastomosis, 11

Epithelioma, Basal cell, and basaloid lesions of anus, 75

Esophagus, Brief account of development of thoracic surgery and some of its consequences, 241; cervical, Thyroidectomy type (transverse) incision for excision of pharyngoesophageal diverticula, 372; Efficiency of esophageal hiatal hernia repair, 471; atresia, Congenital, of, with tracheoesophageal fistula, 475

Extremities, Observations on prevention and treatment of gangrene of, in 211 patients, 99

FEMUR, Nonunion of trochanteric and subtrochanteric fractures, 463

Fibrous metaphyseal defect, of bone, 329

Fistula, Simple device to control corrosive excretions from upper digestive tract, 375; Congenital atresia of esophagus with tracheoesophageal, 475; Production and closure of experimental cardioaortic fistulas, 653

Fluids, balance, Method for studying equilibration rates in edematous states by lymphatic cannulation, 8

Foramen of Morgagni, Diaphragmatic hernia through, 727

Fractures, Nonunion of trochanteric and subtrochanteric, 463

GALLBLADDER, Common duct exploration in acute cholecystitis, 190; Clinical study of 1,060 patients with acute cholecystitis, 491; Improved techniques in oral cholangiography in postcholecystectomy patient, 622

Ganglion, Sphincters and, cells, ed. 115

Gangrene, Observations on prevention and treatment of, of extremities in 211 patients, 99

Gastrectomy, Study of motility in gastric remnant following subtotal, 257

Gastrointestinal tract, Simple device to control corrosive excretions from upper digestive tract fistulas, 375; Experimental use of pliable plastic tubes in reestablishment of, continuity, 657

Glucose, Treatment of experimental cerebral edema with intravenous hypertonic, albumin, and dextran, 591

Grafts, Use of teflon as blood vessel replacement in experimental animals, 81; blood vessels, Current status of, replacement, ed. 227; Auxiliary myocardial vascularization by prosthetic, implantation, 263; Effect of chronic hypercholesterolemia on synthetic aortic substitutes, 385; Teflon weave for replacing tissue defects, 584

HALLUX VALGUS, 524
Head, Treatment of experimental cerebral edema with intravenous hypertonic glucose, albumin, and dextran, 591
Heart, block, Conduction disturbances following experimental production of interventricular septal defects, 68; Brief account of development of thoracic surgery and some of its consequences, 241; Auxiliary myocardial vascularization by prosthetic graft implantation, 263; Retrograde perfusion of coronary sinus for direct vision aortic surgery, 319; Hypothermia, low flow extracorporeal circulation and controlled cardiac arrest for open, surgery, 441; Application of arterialized venous blood to intracardiac surgery, 457; Clinicopathologic study of anatomic changes in, resulting from cardiac massage, 513; Clinical problem of acute circulatory failure, 535; Experimental and clinical resection for ventricular aneurysm, 539; Production and closure of experimental cardioaortic fistulas, 653; Helix reservoir pump-oxygenator, 699; Direct vision repair of intracardiac defects utilizing rotating disc reservoir-oxygenator, 711
Hemorrhage, Induced hypotension, ed. 367
Hemorrhoids, Heritage of Walter Whitehead, ed. 751
Hernia, inguinal, Operative management of sliding, 425; Efficiency of esophageal hiatal, repair, 471; diaphragmatic, Use of nylon prostheses for, defects, 669; diaphragmatic, Congenital posterolater, in newborn, 675; Diaphragmatic, through foramen of Morgagni, 727
Hip, Nonunion of trochanteric and subtrochanteric fractures, 463
Hirschsprung's disease, Selection of infants and children for surgical treatment of, 151
Histology, Cytologic and histologic correlation of colposcopic findings, 717
Hormone, Effect of operative trauma on utilization of thyroid, 295
Hyponatremia, Symptomatic, in infants and children undergoing surgery, 543
Hypotension, Induced, ed. 367
Hypothermia, low flow extracorporeal circulation and controlled cardiac arrest for open heart surgery, 441; Induced, during surgery, ed. 499
Hysterectomy, vaginal, Study of bladder function following, 287; Effect of, on young women, 307; Analysis of one hundred and five radical, at Free Hospital for Women, 733

ILEUM, Ureteroileal anastomosis, 11; Results of subtotal colectomy and ileoproctostomy in treatment of chronic ulcerative colitis, 180
Incision, Functionally and cosmetically superior thoracotomy, 626
Infants, Congenital atresia of esophagus with tracheoesophageal fistula, 475; Symptomatic hyponatremia in, and children undergoing surgery, 543; Effects of radioactive iodine on maternal and fetal thyroid function during pregnancy, 560
Infection, Experiences in surgical management of intracranial suppuration, 205; surgical, Novobiocin therapy of pyogenic, 310; Lymph borne, and aneurysm formation, 722
Inguinal canal, Operative management of sliding hernia, 425
Inguinal rings, Description of boundaries of, and scrotal pouches, 142
Instruments and apparatus, Simple device to control corrosive excretions from upper digestive tract fistulas, 375; plastic bag, oxygenator, Hypothermia, low flow extracorporeal circulation and controlled cardiac arrest for open heart surgery, 441; new modified T tube, Problem of intrahepatic stones and suggested solution, 504; suction tip for abdominal reconnaissance, Aids in diagnosis of subphrenic and other intra-abdominal abscesses, 507; Helix reservoir pump-oxygenator, 699; rubber tube for, Abdominal drainage and air-vent suction, 755
Intestines, anastomosis, Antibiotic support of colon, 1; Ureteroileal anastomosis, 11; Leiomyosarcoma of jejunum, 280; Appraisal of one stage anterior resection in diverticulitis of sigmoid colon, 690
Investigation, A or B, ed. 618
Iodine, radioactive, Effects of, on maternal and fetal thyroid function during pregnancy, 560

JEJUNUM, Leiomyosarcoma of, 280

KERATOACANTHOMA, as surgical pathologic entity, 663
Kidney, Benign tumors of liver—IV, polycystic disease of surgical significance, 63
Knee, Restoration of quadriceps function in neglected tear of patellar tendon, 200; Surgical approach to lateral (peroneal) side of, joint, 346; Total replacement of, joint by prosthesis, 579

LABOR, presentation, Modern trends in management of face and brow, 485
Larynx, Carcinoma of intrinsic, 401
Le Fort, Léon, and his operation for uterine prolapse, 121
Leiomyosarcoma, of jejunum, 280
Lips, cleft, Correction of "whistle deformity," 759
Liver, Benign tumors of,—IV, polycystic disease of surgical significance, 63; Benign tumors of,—V, traumatic cysts, 302; Benign tumors of,—VI, multilocular cystadenomas, 551
Lungs, Brief account of development of thoracic surgery and some of its consequences, 241
Lymph, Method for studying equilibration rates in edematous states by lymphatic cannulation, 8; borne infection and aneurysm formation, 722
Lymph nodes, cancer metastasis, Lymphatic spread of, of stomach observed in operative specimens removed by radical surgery including total pancreatectomy, 269; Cervical, metastasis from occult carcinoma, 607; pelvic, Analysis of one hundred and five radical hysterectomies at Free Hospital for Women, 733

MANCHESTER OPERATION, Experience with, 167
Massage, Clinicopathologic study of anatomic changes in heart resulting from cardiac, 513
Medicine, Nursing problem, ed. 370; A or B, ed. 618
Melanoma, Juvenile, and malignant, ed. 753
Meningitis, Traumatic cerebrospinal fluid rhinorrhea and otorrhea, pneumocephalus, and, 88
Mucosa, gastric, Histogenetic variation of undifferentiated germinal cells of, 416
Myocardium, Auxiliary myocardial vascularization by prosthetic graft implantation, 263

NECK, Cervical lymph node metastasis from occult carcinoma, 607
Nervous system, sympathetic, Anterior approach to upper dorsal sympathectomy, 118
Newborn, Congenital posterolateral diaphragmatic hernia in, 675
Novobiocin, therapy of pyogenic surgical infections, 310
Nurses and nursing, problem, ed. 370

Nylon, Effect of chronic hypercholesterolemia on synthetic aortic substitutes, 385; Use of, prostheses for diaphragmatic defects, 669

OBSTETRICS, Modern trends in management of face and brow presentations, 485
Orlon, Effect of chronic hypercholesterolemia on synthetic aortic substitutes, 385
Osteochondritis, Fibrous metaphyseal defect of bone, 329
Otorrhea, Traumatic cerebrospinal fluid rhinorrhea and, pneumocephalus, and meningitis, 88
Ovary, cancer, Results of treatment of ovarian, with one million volt x-ray, 45
Oxygen, Application of arterialized venous blood to intracardiac surgery, 457

PANCREATIC DUCT, Exploration of, for pancreatitis, 377
Pancreatitis, Exploration of pancreatic duct for, 377
Papanicolaou, Reliability of, technique when cancer cells are found in urine, 41
Papilla of Vater, Carcinoma of major intrahepatic and extrahepatic bile ducts exclusive of, 357
Patella, Restoration of quadriceps function in neglected tear of patellar tendon, 200
Pathology, Keratoacanthoma as surgical pathologic entity, 663
Phantom limb, in patients with injuries to spinal cord and cauda equina, 407
Pharynx, Thyroidectomy type (transverse) incision for excision of pharyngoesophageal diverticula, 372
Phlebography, Osseous, 215
Pneumocephalus, Traumatic cerebrospinal fluid rhinorrhea and otorrhea, and meningitis, 88
Polypharmacy, in anesthesia, ed. 113
Portal vein, Studies on, tension of human adults, 25
Position, Value of left lateral decubitus, in roentgenologic diagnosis of acute abdominal disease, 627
Pregnancy, Diagnosis of fetal sex during, 157; Effects of radioactive iodine on maternal and fetal thyroid function during, 560
Promethazine, Flash burns from atomic weapons—II, treatment of shallow blister flash burns by trials of, adrenalin, cortisone, and adrenocorticotrophic hormone, 53
Prostate, Puncture biopsy of, 555
Prosthesis, vascular, Use of teflon as blood vessel replacement in experimental animals, 81; Current status of blood vessel replacement, ed. 227; Auxiliary myocardial vascularization by prosthetic graft implantation, 263; Effect of chronic hypercholesterolemia on synthetic aortic substitutes, 385; Total replacement of knee joint by, 579; Teflon weave for replacing tissue defects, 584; of polyvinyl sponge, Production and closure of experimental cardioaortic fistulas, 653; Experimental use of pliable plastic tubes in re-establishment of gastrointestinal continuity, 657; Use of nylon, for diaphragmatic defects, 669
Pruritis ani, Modern treatment of, 233
Pump-oxygenator, Helix reservoir, 699; Direct vision repair of intracardiac defects utilizing rotating disc reservoir-, 711

RADIOACTIVITY, radioactive thyroxine, Effect of operative trauma on utilization of thyroid hormone, 295; iodine, Cancer of thyroid gland in children, 433; Effects of radioactive iodine on maternal and fetal thyroid function during pregnancy, 560; Blood volume changes in neurosurgical (intracranial) operations as determined by radioisotopes, 565
Rectum, Results of subtotal colectomy and ileoproctostomy in treatment of chronic ulcerative colitis, 180
Research, A or B, ed. 618
Rhinorrhea, Traumatic cerebrospinal fluid, and otorrhea, pneumocephalus, and meningitis, 88
Ribs, Primary tumors of, and sternum, 390
Roentgen rays, Results of treatment of ovarian cancer with one million volt x-ray, 45; diagnosis, Complications of aortography, 129; diagnosis, Value of left lateral decubitus position in roentgenologic, of acute abdominal disease, 627

SCROTUM, Description of boundaries of inguinal rings and scrotal pouches, 142
Sex, Diagnosis of fetal, during pregnancy, 157
Sigmoid, Appraisal of one stage anterior resection in diverticulitis of, colon, 690
Skin, tumor, Keratoacanthoma as surgical pathologic entity, 663
Sphincters, and ganglion cells, ed. 115; choledochus, Anatomy of choledochoduodenal junction in man, 641
Spinal cord, Phantom limb in patients with injuries to, and cauda equina, 407
Sternum, Primary tumors of ribs and, 390
Stomach, Association of ABO blood groups to gastric carcinoma, 176; Study of motility in gastric remnant following subtotal gastrectomy, 257; Lymphatic spread of cancer of, observed in operative specimens removed by radical surgery including total pancreatectomy, 269; Histogenetic variation of undifferentiated germinal cells of gastric mucosa, 416; Efficiency of esophageal hiatal hernia repair, 471; Total versus radical partial resection for cancer of, ed. 497; Dietary management of postgastrectomy dumping syndrome, 529; Experimental use of pliable plastic tubes in re-establishment of gastrointestinal continuity, 657; Clinicopathologic study of large benign gastric ulcers, 746
Stones, Problem of intrahepatic, and suggested solution, 504
Surface area, Use of, as basis for establishing normal blood volume, 183
Surgery, preoperative care, Antibiotic support of colon anastomoses, 1; technique, Ureteroileal anastomosis, 11; technique, Anterior approach to upper dorsal sympathectomy, 118; history, Léon Le Fort and his operation for uterine prolapse, 121; Experience with Manchester operation, 167; Experiences in surgical management of intracranial suppuration, 205; technique, Transvesical removal of diseased ureteral stump, 238; thoracic, Brief account of development of, and some of its consequences, 241; postoperative complications, Study of motility in gastric remnant following subtotal gastrectomy, 257; radical consisting of total gastrectomy, total pancreatico-duodenectomy, splenectomy, Lymphatic spread of cancer of stomach observed in operative specimens removed by, including total pancreatectomy, 269; postoperative complications, Study of bladder function following vaginal hysterectomy, 287; Effect of operative trauma on utilization of thyroid hormone, 295; postoperative complications, Novobiocin therapy of pyogenic surgical infections, 310; technique, Retrograde perfusion of coronary sinus for direct vision aortic, 319; technique, Retrocaval ureter, 337; Induced hypotension, ed. 367; technique, Surgical approach to lateral (peroneal) side of knee joint, 346; technique, Thyroidectomy type (transverse) incision for excision of pharyngoesophageal diverticula, 372; postoperative complications, Simple device to control corrosive excretions from upper digestive tract fistulas, 375; technique, Exploration of pancreatic duct for pancreatitis, 377; technique, Operative management of sliding hernia, 425; Hypothermia, low flow extracorporeal circulation and controlled cardiac arrest for open

heart, 441; technique, Congenital atresia of esophagus with tracheoesophageal fistula, 475; Application of arterialized venous blood to intracardiac, 457; Total versus radical partial resection for cancer of stomach, ed. 497; Induced hypothermia during, ed. 499; technique, Ending continuous suture, 502; postoperative complications, Dietary management of postgastrectomy dumping syndrome, 529; heart in, Clinical problem of acute circulatory failure, 535; postoperative complications, Symptomatic hyponatremia in infants and children undergoing, 543; intracranial, Blood volume changes in neurosurgical, operations as determined by radioisotopes, 565; technique, Evaluation of thrombendarterectomy for arteriosclerosis obliterans of femoral artery, 571; technique, Total replacement of knee joint by prosthesis, 579; principles of surgical practice, A or B, ed. 618; technique, Functionally and cosmetically superior thoracotomy incision, 626; Appraisal of one stage anterior resection in diverticulitis of sigmoid colon, 690; heart, Helix reservoir pump-oxygenator, 699; heart, technique, Direct vision repair of intracardiac defects utilizing rotating disc reservoir-oxygenator, 711; technique, Heritage of Walter Whitehead, ed. 751; plastic, Correction of "whistle deformity," 759

Suture, Ending continuous, 502

Sympathectomy, Anterior approach to upper dorsal, 118

TEFLON, Use of, as blood vessel replacement in experimental animals, 81; weave for replacing tissue defects, 584

Telepaque, Improved techniques in oral cholangiography in postcholecystectomy patient, 622

Tendons, patellar, quadriceps, Restoration of, function in neglected tear of, 200

Thorax, Brief account of development of thoracic surgery and some of its consequences, 241; Diagnostic thoracotomy with transdiaphragmatic adrenalectomy for intrathoracic recurrent breast carcinoma, 299; Functionally and cosmetically superior thoracotomy incision, 626; Congenital posterolateral diaphragmatic hernia in newborn, 675; Diaphragmatic hernia through foramen of Morgagni, 727

Thrombendarterectomy, Evaluation of, for arteriosclerosis obliterans of femoral artery, 571

Thyroid, Effect of operative trauma on utilization of, hormone, 295; Cancer of, gland in children, 433; Effect of radioactive iodine on maternal and fetal, function during pregnancy, 560

Tissue, sections, Use of frozen, in cancer diagnosis, 60; connective, Fibrous metaphyseal defect of bone, 329; Teflon weave for replacing, defects, 584

Toes, Hallux valgus, 524

Trachea, Use of tracheotomy in burned patient, 163

Trauma, Traumatic cerebrospinal fluid rhinorrhea and otorrhea, pneumocephalus, and meningitis, 88; Effect of operative, on utilization of thyroid hormone, 295; Phantom limb in patients with injuries to spinal cord and cauda equina, 407; Treatment of experimental cerebral edema with intravenous hypertonic glucose, albumin, and dextran, 591

Trochanter, Nonunion of trochanteric and subtrochanteric fractures, 463

Tubes, nylon, Experimental use of pliable plastic in reestablishment of gastrointestinal continuity, 657

Tumors, Benign, of liver—IV, polycystic disease of surgical significance, 63; Benign, of liver—V, traumatic cysts, 302; Primary, of ribs and sternum, 390; Benign, of liver—VI, miltilocular cystadenomas, 551

ULCER, gastric, Clinicopathologic study of large benign, 746

Ureter, Ureteroileal anastomosis, 11; Transvesical removal of diseased ureteral stump, 238; Retrocaval, 337

Urinary tract, cancer, Reliability of Papanicolaou technique when, cells are found in urine, 41

Urine, Reliability of Papanicolaou technique when cancer cells are found in, 41

Uterus, prolapse, Léon Le Fort and his operation for uterine, 121; prolapse, Experience with Manchester operation, 167; excision, Study of bladder function following vaginal hysterectomy, 287; Effect of hysterectomy on young women, 307; Analysis of one hundred and five radical hysterectomies at Free Hospital for Women, 733

Uterus cervix, Cytologic and histologic correlation of colposcopic findings, 717

VAGINA, Cytologic and histologic correlation of colposcopic findings, 717

Vena cava, Retrocaval ureter, 337

WATER, balance, Symptomatic hyponatremia in infants and children undergoing surgery, 543

Whitehead, Walter, Heritage of, ed. 751

Wound healing, Teflon weave for tissue defects, 584

X-RAYS, see Roentgen rays

INDEX TO BOOK REVIEWS

ABRAMSON, DAVID I. Diagnosis and Treatment of Peripheral Vascular Disorders, 639

ACTAS Y TRABAJOS DEL VI CONGRESO LATINOAMERICANO DE NEUROCIRUGÍA. Bajo los auspicios del gobierno del Uruguay con la colaboración del centro de cooperación científica para américa latina de la U.N.E.S.C.O., 251

ANTOINE, TASSILO, and GRÜNBERGER, VIKTOR. Atlas der Kolpomikroskopie, 510

ARENAS, NORMANDO, BETTINOTTI, ALBERTO E., and MURRAY, EDMONDO G. Esterilidad conyugal, 763

BACON, HARRY E., ROSS, STUART T., and RECIO, PORFIRO MAYO. Proctology, 639

BANKOFF, GEORGE. Plastic Repair of Genito-urinary Defects, 636

BETTMANN, OTTO L. A Pictorial History of Medicine, foreword by Philip S. Hench, 511

BOEMINGHAUS, H. Harnableitung in den Darm; Uretero-Sigmoidostomie und Darm-Ersatzblasenbildung, 633

BÖHLER, LORENZ. The Treatment of Fractures, translated from the 13th German edition by Hans Tretter, Helen B. Luchini, Frank Kreuz, Otto A. Russe, and Robert G. B. Bjornson, Vol. I, 637

BUNNELL, STERLING. Surgery of the Hand, 3rd ed., 764

BÜRKLE DE LA CAMP, H., and ROSTOCK, P. Handbuch der gesamten Unfallheilkunde, 2nd rev. ed., Vol. III of a 3 volume set, 509

CORSCADEN, JAMES A. Gynecologic Cancer, 2nd ed., 635

CRAMER, HERBERT. Die Kolposkopie in der Praxis; Einfuehrung in die gynaekologische Krebsfruehdiagnostik, 253

DARGENT, MARCEL, and PAPILLON, JEAN. Le cancer du plancher de la bouche, with the assistance of J.-F. Montbarbon, preface by P. Santy, 125

DEPALMA, ANTHONY F. Clinical Orthopaedics, No. 7, Tumors of Bone, 252

GANS, HENRY. Introduction to Hepatic Surgery, introduction by A. Brunschwig, 252

GEREMIA, BRUNO, and TORMENE, ANTONIO. L'incontinenza urinaria nell'uomo e nella donna e suo trattamento, preface by G. Ceccarelli, 380

GREENHILL, J. P. Office Gynecology, 6th rev. enl. ed., 254

HARRISON, R. G. Studies on Fertility, Vol. VII of the Proceedings of the Conference of the Society for the Study of Fertility, 511

HARVEY, A. MCGEHEE, and BORDLEY, JAMES, III. Differential Diagnosis; the Interpretation of Clinical Evidence, 253

HELLNER, HANS, and POPPE, HANNO. Roentgenologische Differentialdiagnose der Knochenerkrankungen, assisted by Ilse Lohstöter, 634

HERSHENSON, BERT B. Obstetrical Anesthesia; Its Principles and Practice, foreword by Frederick C. Irving, 255

HINSHAW, H. CORWIN, and GARLAND, L. HENRY. Diseases of the Chest, 383

HOLMAN, EMILE. New Concepts in Surgery of the Vascular System, 380

HUSSAR, ALLEN E., and HOLLEY, HOWARD L. Antibiotics and Antibiotic Therapy; a Clinical Manual, 634

JUSTER, M., and FISCHGOLD, H. Etude radio-anatomique de l'os temporal, with the technical assistance of G. Korach, 637

KÖHLER, ALBAN. Borderlands of the Normal and Early Pathologic in Skeletal Roentgenology, completely revised with reference to illustrations and to text by E. A. Zimmer, translation arranged and edited by James T. Case, 10th ed., 633

LEWIS, T. L. T. Progress in Clinical Obstetrics and Gynaecology, 127

LOWRIE, ROBERT J. Gynecology; Surgical Techniques, foreword by J. P. Greenhill, 254

LOWSLEY, OSWALD SWINNEY, and KIRWIN, THOMAS JOSEPH. Clinical Urology, drawings by William P. Didusch, 3rd ed., Vols. I and II, 763

MAYER, EDGAR, and MAIER, HERBERT C. Pulmonary Carcinoma; Pathogenesis, Diagnosis and Treatment, 126

MITCHELL, G. A. G. Cardiovascular Innervation, foreword by Sir Geoffrey Jefferson, 126

MOORE, DANIEL C. Complications of Regional Anesthesia; Etiology—Signs and Symptoms—Treatment, 380

PAPANICOLAOU, GEORGE N. Atlas of Exfoliative Cytology—Supplement I, 633

PENDER, BRUCE W. T., and ROBINSON, JAMES O. The Diagnosis and Management of Urological Cases; a Handbook for Students, Residents, and General Practitioners, 509

PERKINS, JOHN J. Principles and Methods of Sterilization, 639

PIULACHS, P. Ulcers of the Leg, 762

PLATT, SIR HARRY. Modern Trends in Orthopedics, second series, 511

REDON, HENRI. Chirurgie des glandes salivaires, 634

REYNOLDS, S. R. M., HARRIS, JEROME S., and KAISER, IRWIN H. Clinical Measurement of Uterine Forces in Pregnancy and Labor, 253

RYCROFT, B. W. Corneal Grafts, foreword by Sir Cecil Wakeley, 635

SADOVE, MAX S., and CROSS, JAMES H. The Recovery Room; Immediate Postoperative Management, with contributions by 24 authorities, 633

SMITH, HOMER W. Principles of Renal Physiology, 383

SMOUT, C. F. V., and JACOBY, F. Gynaecological and Obstetrical Anatomy and Functional Histology, 3rd ed., 253

SODEMAN, WILLIAM A. Pathologic Physiology; Mechanisms of Disease, 2nd ed., 381

SOUTTAR, SIR HENRY. Textbook of British Surgery, Vol. I, the Abdomen, 637

STERNBERG, THOMAS H., and NEWCOMER, VICTOR D. Therapy of Fungus Disease; an International Symposium, 125

SURGERY IN WORLD WAR II. Hand Surgery, edited by Sterling Bunnell, 255

SURGERY IN WORLD WAR II. Vascular Surgery, edited by Daniel C. Elkin and Michael E. De Bakey, 381

SYMINGTON, JOHNSON. An Atlas Illustrating the Topographical Anatomy of the Head, Neck, and Trunk, 251

THOREK, PHILIP. Surgical Diagnosis, with drawings by Carl T. Linden, 509

TITUS, PAUL. The Management of Obstetric Difficulties, revised by J. Robert Willson, 5th ed., 126

TOCANTINS, LEANDRO M. Progress in Hematology, with 27 contributors, Vol. I, 127

WANKE, R., JUNGE, H., and EUFINGER, H. Chirurgie der grossen Koerpervenen, 127

YOEL, JOSÉ, and BILESIO, ELDO A. Cirugia de las infecciones maxilares y perimaxilares; clinica y tratamiento, 254